

## Claims

1. Infant or follow-on formula comprising a source of proteins, a source of lipids, a source of carbohydrates and a probiotic wherein the source of lipids includes at least one LC-PUFA.  
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2. Formula according to claim 1 wherein the LC-PUFA is DHA.
3. Formula according to claim 2 wherein the DHA content is between 0.2 and 0.5% of total fatty acids in the lipid source.  
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4. Formula according to claim 2 or 3 which additionally includes ARA.
5. Formula according to claim 4 wherein the ratio of ARA:DHA is between 0.8:1 and 1.2:1, preferably 1:1.  
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6. Formula according to any preceding claim, wherein the probiotic is a Bifidobacteria or a Lactobacillus.
7. Formula according to claim 6 wherein the Bifidobacteria is Bifidobacterium longum BB 536.  
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8. Formula according to claim 6 wherein the Lactobacillus is Lactobacillus paracasei rhamnosus GG.  
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9. Formula according to any preceding claim which contains both a Bifidobacterium and a Lactobacillus.
10. Formula according to claim 9 wherein the Bifidobacteria is Bifidobacterium longum BB 536 and the Lactobacillus is Lactobacillus paracasei rhamnosus GG.  
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11. Formula according to any preceding claim wherein at least 40% of the proteins are modified sweet whey proteins with no CGMP or reduced CGMP.
12. Formula according to claim 11 wherein the wherein at least 60% of the proteins are modified sweet whey proteins comprising no CGMP or reduced CGMP.  
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13. Formula according to claim 11 or claim 12 wherein the proteins are present in a maximum proportion of 2g/100 kcal, preferably 1.85, most preferably between 1.8 and 1.85 g/100 kcal.

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14. Method for strengthening natural immune defences of an infant or a baby consisting in fully or partly feeding said infant or baby with a formula comprising a source of proteins, a source of lipids, a source of carbohydrates and a probiotic wherein the source of lipids includes at least one LC-PUFA.

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15. Method according to claim 14 using a formula according to any of claims 1 to 13.

16. Method according to claim 14 or claim 15 characterised by reduction of flatulence, vomiting, regurgitation and/or morbidity.

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17. Method for promoting healthy mental development in an infant or a baby consisting in fully or partly feeding said infant or baby with a formula comprising a source of proteins, a source of lipids, a source of carbohydrates and a probiotic wherein the source of lipids includes at least one LC-PUFA and wherein at least 40% of the proteins are modified sweet whey proteins with no CGMP or reduced CGMP.

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18. Method according to claim 17 using a formula according to any of claims 1 to 11.

19. Method according to claim 17 or 18, wherein the infant is preterm.

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